

11642

orig.

Diag. Chtr No. 5101-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. Ph-5908 Office No. T-11642

LOCALITY

State CALIFORNIA

General locality SAN PEDRO BAY

Locality LONG BEACH

19-~~62~~59-1960

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE Sept. 1963

USCOMM-OC 5087

11642

DESCRIPTIVE REPORT - DATA RECORD

T- 11642

Project No. (I): PH-5908

Quadrangle Name (IV):

Field Office (II): SANTA ANA, CALIFORNIA

Chief of Party: FRED NATELLA

Photogrammetric Office (III): PORTLAND, OREGON

UNIT CHIEF: C. H. BISHOP

Officer-in-Charge: FRED NATELLA

Instructions dated (II) (III): 6 JANUARY 1960 II, III
AMENDMENT 1 13 APRIL 1960 II

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): KESLM INSTRUMENT

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

PANTOGRAPH SCALE: 1:10,000

Scale Factor (III): NONE

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level except as follows: X
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): VILLA, 1933

Lat.: 33° 45' 57.287"

Long.: 118° 10' 54.204"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: CALIFORNIA Zone: VI

Y= 587,321.76

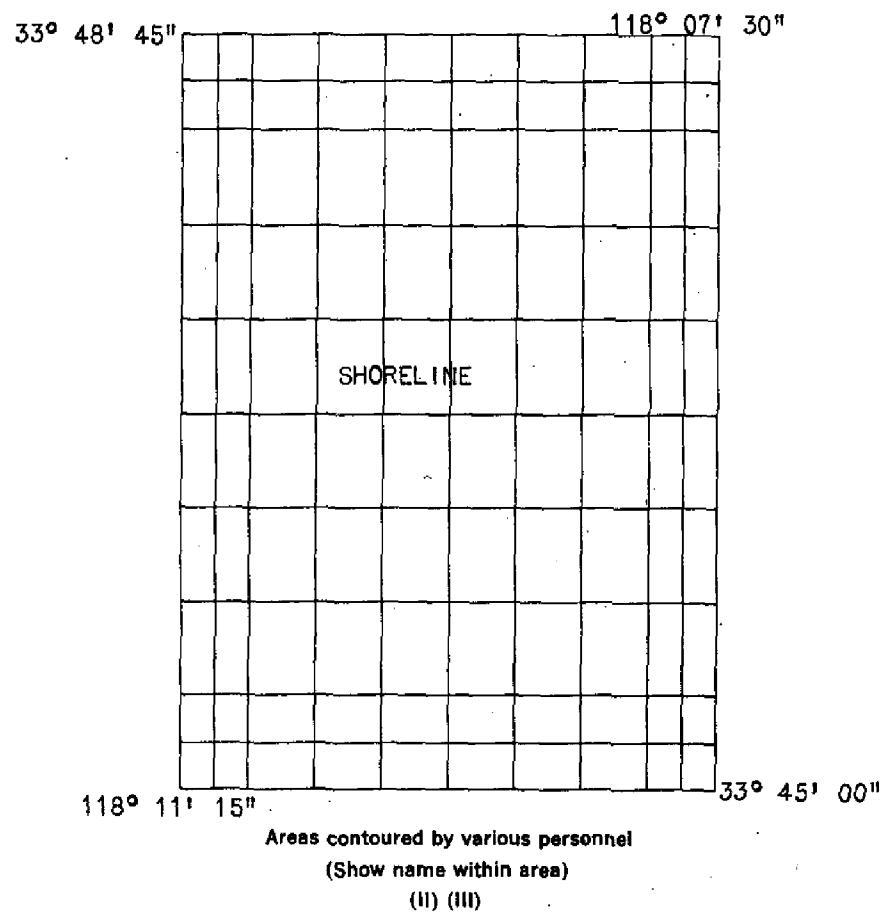
X= 1,412,925.98

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. BISHOP, R. B. MELBY,
L. L. RIGGERS

Date: SEPT. - OCT.
1960

Planetable contouring by (II): NONE

Date:

Completion Surveys by (II): NONE

Date:

Mean High Water Location (III) (State date and method of location): BY FIELD INSPECTION
OCTOBER 1960 AND COMPILED BY KELSH INSTRUMENT.

Projection and Grids ruled by (IV): R.A.C.

Date: 9-27-60

Projection and Grids checked by (IV): J.D.C.

Date: 9-27-60

Control plotted by (III): C. H. BISHOP

Date: 11-7-61

Control checked by (III): L. L. GRAVES

Date: 11-27-61

Radial Plot or Stereoscopic
Control extension by (III):

R. E. FUESCHEL

Date: OCT. 1960

Stereoscopic Instrument compilation (III):

Planimetry D. N. WILLIAMS

Date: 3-2-62

Contours

Date:

Manuscript delineated by (III):

L. L. GRAVES, SCRIBING
C. C. HARRIS, STICK-UP

Date: 6-5-62
7-18-62

Photogrammetric Office Review by (III): J. L. HARRIS, ROUGH DRAFT
J. L. HARRIS, ADVANCE

Date: 4-24-62
10-25-62

Elevations on Manuscript
checked by (II) (III):

NONE

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS SINGLE LENS CAMERA "S"

		PHOTOGRAPHS (III)			Stage of Tide	
Number	Date	Time	Scale			
59 S 8188						
THRU 8190	10-3-59	11:16	1:30,000	4.7'	ABOVE M.L.L.W.	
59 S 8152	10-3-59	10:45	"	"	"	"
59 S 7961						
THRU 7965	10-2-59	14:20	1:10,000	0.1'	"	"
59 S 7971						
THRU 7974	"	14:30	"	"	"	"

COLOR TRANSPARENCIES

Tide (III)

Reference Station: LOS ANGELES, CALIFORNIA
Subordinate Station: LONG BEACH (OUTER HARBOR) CALIFORNIA
Subordinate Station: COMPUTED FROM PREDICTED TIDE TABLES

Ratio of Ranges	Mean Range	DIURNAL Spring
		Range
	3.8	5.4
	3.7	5.3

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 10
Shoreline (More than 200 meters to opposite shore) (III): 4
Shoreline (Less than 200 meters to opposite shore) (III): NONE
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 13 Recovered: 6 Identified: 0
Number of BMs searched for (II): NONE Recovered: Identified:
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III): NONE

Remarks:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11642

PROJECT PH-5908

REFER TO THE FIELD INSPECTION REPORT FOR T-11641, T-11642
AND T-11647 BY CHARLES H. BISHOP, OCTOBER 1960, SUBMITTED TO THE
WASHINGTON OFFICE ON 1-27-61. *Filed with Desc. Report T11641*

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11642

PROJECT PH-5908

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT FOR THE ENTIRE
PROJECT PH-5908 BY ROBERT E. FUESCHEL, OCTOBER 1960.

Filed with Desc. Report T11640

None

[illegible]

11-6-61

COMPILATION REPORT

MAP MANUSCRIPT T-11642

PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

THE STAGE OF THE TIDE AT THE TIME OF PHOTOGRAPHY WAS APPROXIMATELY AT MHW ON A SURF COVERED SHORE AND THE LOCATION OF THE MHW LINE WAS OBTAINED BY METHODS DESCRIBED IN THE FIELD INSPECTION REPORT. THIS LOCATION OF THE MHW LINE WAS GENERALLY CONFIRMED BY COMPARISON WITH THE COLOR TRANSPARENCIES TAKEN AT LOW WATER STAGE.

32. CONTROL:

NO HORIZONTAL CONTROL STATIONS WERE IDENTIFIED.

THE SUPPLEMENTARY CONTROL ESTABLISHED BY STEREOPLANIGRAPH INSTRUMENT BRIDGING WAS ADEQUATE.

33. SUPPLEMENTAL DATA:

SHEET No. 30, MAP OF LOS ANGELES COUNTY
SCALE 1 INCH = 600 FEET.

MAPS No. 5, 8 & 9, CITY OF LONG BEACH
SCALE 1 INCH = 400 FEET.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS INDICATED IN THE VICINITY BY THE FIELD INSPECTION. THIS WAS CONFIRMED BY COMPARISON WITH THE U.S.G.S. QUADRANGLE AND OTHER AVAILABLE MAPS OF THE AREA.

35. SHORELINE AND ALONGSHORE DETAILS:

SHORELINE INSPECTION WAS ADEQUATE.

THE MEAN HIGH-WATER LINE WAS REFINED DURING COMPILATION USING DATA AND MEASURED LOCATIONS FURNISHED BY THE FIELD UNIT AND BY REFERENCE TO THE COLOR TRANSPARENCIES. THIS LINE WAS COVERED ON THE PANCHROMATIC PHOTOGRAPHY.

FORESHORE AREAS SHOWN WERE COMPILED FROM THE COLOR TRANSPARENCIES USING PREVIOUSLY COMPILED PLANIMETRY AS CONTROL. THIS PHOTOGRAPHY WAS TAKEN AT 0.1 FOOT ABOVE M.L.L.W. AND THE FORESHORE AREAS SHOWN ARE A GOOD INDICATION OF CONDITIONS EXISTING AT MEAN LOWER LOW WATER.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ONE LANDMARK WAS LOCATED BY TRIANGULATION.

ONE FIXED AID TO NAVIGATION WAS IDENTIFIED ON THE PHOTOGRAPHS AND ITS POSITION ESTABLISHED BY KELSH STEREOSCOPIC INSTRUMENT.

FORMS 567 ARE SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NO PHOTO-HYDRO STATIONS WERE IDENTIFIED FOR LOCATION ON THIS MANUSCRIPT.¹

THE ONE FIXED AID TO NAVIGATION IS LISTED UNDER ITEM 49, NOTES FOR THE HYDROGRAPHER.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11641 ON THE WEST AND T-11643 ON THE EAST. THERE IS NO CONTEMPORARY SURVEY TO THE NORTH AND THE SAN PEDRO BAY IS TO THE SOUTH.

40. HORIZONTAL AND VERTICAL ACCURACY:41. BRIDGE CLEARANCES:

LISTED BELOW ARE THE HORIZONTAL AND VERTICAL CLEARANCES FOR THE TWO FIXED HIGHWAY BRIDGES SHOWN ON THIS MAP MANUSCRIPT:

SECOND STREET BRIDGE OVER ALAMITOS BAY

HORIZONTAL, 27 FEET; VERTICAL, 4.9 FEET ABOVE MHW

THE TOLEDO (WEST) BRIDGE OVER THE RIVO ALTO CANAL

HORIZONTAL, 28.8 FEET; VERTICAL, 5.7 FEET ABOVE MHW.

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH U.S.G.S. $7\frac{1}{2}$ MINUTE LONG BEACH,
CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1949.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

CHART No. 5101, SCALE 1:234,270 AT LAT. $33^{\circ} 20'$
5TH ED. JAN. 6, 1947 REVISED MAY 18, 1959.

CHART No. 5142, SCALE 1:80,000 AT LAT. $33^{\circ} 31'$
1ST ED. MAR. 5, 1951, REVISED NOV. 9, 1959.

CHART No. 5147, SCALE 1:12,000 AT LAT. $33^{\circ} 44'$
6TH ED. OCT. 23, 1943, REVISED SEPT. 15, 1958.

CHART No. 5148, SCALE 1:18,000 AT LAT. $33^{\circ} 43'$
3RD ED. MAY 6, 1957, REVISED SEPT. 15, 1958.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

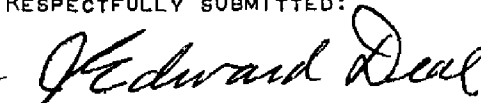
NONE.

APPROVED:



FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:



J. EDWARD DEAL
CARTOGRAPHER

49. NOTES FOR THE HYDROGRAPHER:

REFER TO FORMS 567.

NO PHOTO-HYDRO STATIONS WERE ESTABLISHED.

COMPILATION RECORD

COMPLETION DATE

REMARKS

<i>Alongshore area for hydro</i>	<i>July 18/1962</i>	

PHOTOGRAMMETRIC OFFICE REVIEW

T-10000-11642

1. PROJECTION AND GRIDS <i>X</i>	2. TITLE <i>X</i>	3. MANUSCRIPT NUMBERS <i>X</i>	4. MANUSCRIPT SIZE <i>X</i>
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <i>X</i>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <i>None</i>		7. PHOTO HYDRO STATIONS <i>None</i>
8. BENCH MARKS <i>None</i>	9. PLOTTING OF SEXTANT FIXES <i>None</i>	10. PHOTOGRAMMETRIC PLOT REPORT <i>X</i>	11. DETAIL POINTS <i>None</i>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <i>X</i>	13. LOW-WATER LINE <i>X</i>	14. ROCKS, SHOALS, ETC. <i>X</i>	15. BRIDGES <i>X</i>
16. AIDS TO NAVIGATION <i>X</i>	17. LANDMARKS <i>X</i>	18. OTHER ALONGSHORE PHYSICAL FEATURES <i>X</i>	19. OTHER ALONGSHORE CULTURAL FEATURES <i>X</i>
PHYSICAL FEATURES			
20. WATER FEATURES <i>X</i>	21. NATURAL GROUND COVER <i>X</i>		22. PLANETABLE CONTOURS <i>None</i>
23. STEREOSCOPIC INSTRUMENT CONTOURS <i>None</i>	24. CONTOURS IN GENERAL <i>None</i>	25. SPOT ELEVATIONS <i>None</i>	26. OTHER PHYSICAL FEATURES <i>X</i>
CULTURAL FEATURES			
27. ROADS <i>X</i>	28. BUILDINGS <i>X</i>	29. RAILROADS <i>None</i>	30. OTHER CULTURAL FEATURES <i>X</i>
BOUNDARIES			
31. BOUNDARY LINES <i>None</i>		32. PUBLIC LAND LINES <i>None</i>	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES <i>X</i>	34. JUNCTIONS <i>X</i>		35. LEGIBILITY OF THE MANUSCRIPT <i>X</i>
36. DISCREPANCY OVERLAY <i>None</i>	37. DESCRIPTIVE REPORT <i>X</i>	38. FIELD INSPECTION PHOTOGRAPHS <i>X</i>	39. FORMS <i>X</i>
40. REVIEWER <i>James L. Harris</i>		SUPERVISOR, REVIEW SECTION OR UNIT <i>Edward Deal</i>	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS			

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1-11642

NOTICE TO CHARTERS

TO BE CHARTED
STRIKE OUT TWO
STRIKE OUT TWO

STRIKE OUT TWO

PORTLAND, OREGON

19 APRIL 19 62

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by JAMES L. HARRIS

FRED NATELLA

Chief of Party

STATE	CALIFORNIA	CHARTING NAME		DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED		
						LATITUDE*		LONGITUDE*		DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART	
						D. M. METERS ° ' "	D. M. METERS ° ' "	D. M. METERS ° ' "	D. M. METERS ° ' "							
TOWER	LONG BEACH, VILLA RIVIERA HOTEL, TOWER, 1932 (STONE HT. 284' (308'))					33	45	57.179	118	10	N.A.	10-6-60	X	X	5147	
								54.237			1927				5148	
								1395.7						X	5142	

T-11842

NONFLOATING AIDS ORIGIN MARKS FOR CHARTS

TO BE CHARTED
STOCK REVALUED
STOCK DELISTED
STRIKE OUT TWO

I recommend that the following objects which have ~~(230000000)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(230000000)~~ the charts indicated.

The positions given have been checked after listing by

19 April 1962

FRED RAYELLA *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

TABULATE SECONDS AND METERS

T-11642

48. Geographic Names List

Alamitos Bay

Belmont Heights

Belmont Pier

Belmont Shore

Bixby Park

Bluff Park

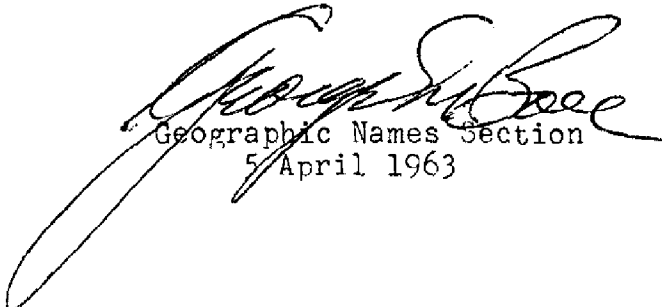
Colorado Lagoon

Long Beach

Naples

Rainbow Pier

San Pedro Bay


Geographic Names Section

5 April 1963

Review Report
Shoreline Maps
T-11641 thru T-11643, T-11647 and T-11648
June 1963

61. General Statement

There are five (5) shoreline maps of project PR-5908, Long Beach to Lagoon Beach, California. These maps were prepared primarily for location of all non-floating aids and landmarks for use in the revision of our Nautical Charts.

62. Comparison with Registered Topographic Surveys

T-5632	1:10,000	1933
T-5033A	1:10,000	1934
T-5034A	1:10,000	1934

The shoreline in some areas has built out as much as 200 meters. In the vicinity of Lat. 33°45', Long. 118°13.5' (San Pedro Bay Area) the water front has been almost completely rebuilt. These maps are to supersede the above surveys for common area for Nautical Charting.

63. Comparison with Maps of Other Agencies

San Beach, Calif.	1:24,000	U.S.N.S.	1949
Los Alamitos, Calif.	1:24,000	U.S.N.S.	1949
Long Beach, Calif.	1:24,000	USN.S.	1949

There are cultural and shoreline changes due to the difference in survey dates.

64. Comparison with Contemporary Hydrographic Surveys

None.

65. Comparison with Nautical Charts

5142	1:80,000	Nov. 1960 revised Dec. 1962
5147	1:12,000	Feb. 1953
5148	1:18,000	Feb. 1963

There are no differences of importance between the charts and the subject manuscripts.

56. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Expended by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lenn
Chief, Photogrammetric Br.

Louis G. Taylor
Chief, Nautical Charts Division

J. E. Laugel 8/2/63
Chief, Photogrammetry Div.

Horace G. Conner
Chief, Operations Division

